Numerical weather prediction model

1992. SHRI EKANATH K. THAKUR: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether it is a fact that Government have decided to buy a spanking new numerical weather prediction model from the National Centre for Atmospheric Research (NCAR), Boulder Colorado, US;

(b) if so, by when this new model is likely to be used for operational forecasting after its validation for Indian conditions; and

(c) the advantages of the new model?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): (a) The National Centre for Atmospheric Research (NCAR) of the United States of America is going to provide its high resolution Weather Research and Forecasting (WRF) model as a part of its on going collaboration with the National Centre for Medium Range Weather Forecasting (NCMRWF), without any cost.

(b) Models developed for specific areas cannot be directly applied to another area and there is a need to carry out modifications in the model on the basis of elaborate tests caried out over out region. If the WRF of NCAR works to satisfaction, it will be operationalised. Initially the model will be used in a joint Indo-US demonstration. Project for track and intensity prediction of tropical cyclones in Bay of Bengal.

(c) It is the latest high resolution model which has enabled improved prediction over North Americas. We are yet to assess its suitability for our region.

Contracts of NHDP-II

1993. DR. VIJAY MALLYA : Will the Minister of SHIPPING, ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether National Highway Authority of India awarded thirteen contracts in April last for second phase of National Highway Development Programme; and

(b) if so, the financial allocation for each contract, the stretch of road to be constructed and the time allowed for completion?

THE MINISTER OF STATE INTHE MINISTRY OF SHIPPING, ROAD TRANSPORT AND HIGHWAYS (SHRI K.H. MUNIAPPA): (a) Yes, Sir.

(b) The details are given in the Statement (*See* below). The preiod of completion of each of the contracts is 30 months except for "construction of service road and one 2 lane flyover on Guwahati bypass" (Sl. No. 13 of the last) where the contruction period is 24 months.

Statement

List of contracts for which letter of acceptance (LOA) issued during the month of April 2005

Sl. No.	Stretch	NH No.	Length (Km.)	Awarded Cost (Rs. Crores)
1	2	3	4	5
1.	Rajasthan/MP Border to Shivpuri (including Shivpuri Bypass) km 0 to 15 on NH-25 & km 610 to km 579 on NH-76	76 & 25	53.40	294.98
2.	Shivpuri to Jhansi km 50 to km 15	25	35.00	157.36
3.	Daboka to Nagao km 36 to km 5.5	36	30.05	202.18
4.	Lanka to Daboka km 22 to km 2.4	54	22.50	198.65
5.	Dharamtul to Sonapur km 230 to km 205	37	24.00	173.15
6.	Dharamtul to Sonapur km 205 to km 183	37	22.00	137.75
7.	Nagpur to Hyderabad Section km 64 to km 94	7	30.00	117.00
8.	Nagpur to Hyderabad Section km 94 to km 123	7	29.00	105.27

1	2	3	4	5
9.	Nagpur to Hyderabad Section km 123 to 153	7	30.00	115.23
10.	Madurai to Kanyakumari km 42 to km 80	7	38.86	219.05
11.	Madurai to Kanyakumari km 80 to km 120	7	39.51	173.5
12.	Madurai to Kanyakumari km 120 to km 160	7	42.70	232.46
13.	Construction of 10 km service road and one 2 lane flyover on Guwahati Bypass	37	10.00	33.78

Targets of NHAI and BRDB

†1994. SHRI RAM JETHMALANI:
DR. MURLI MANOHAR JOSHI:

Will the Minister of SHIPPING, ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether it is a fact that targets for the construction of roads by the National Highways Authority of India and Border Road Development Board had been fixed during 2004-05;

(b) if so, the details thereof alongwith the amount allocated to be spent for the achievement of the said targets; and

(c) whether it is a fact that the targets has not been achieved during the said period?

THE MINISTER OF STATE IN THE MINISTRY OF SHIPPING, ROAD TRANSPORT AND HIGHWAYS (SHRI K.H. MUNIAPPA): (a) to (c) In respect of National Highways Authority of India (NHAI), 2896 km of National Highways were targeted to be 4-laned in the year 2004-05 of which 2349 km have been 4-laned. An amount of Rs. 8358 crore was allocated to be spent for the achievement of the said targets by NHAI.

†Original notice of the question was received in Hindi.